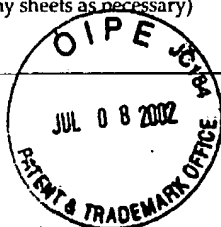
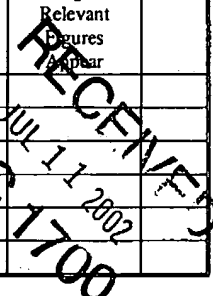


Substitute for Form 1449A/PTO (Modified) (use as many sheets as necessary)		Attorney Docket No.: 004711/P1/ TCG/TPG/ other/ LE	Application Number: 09/891,849
Page 1 of 2		First Named Inventor: Steven Verhaverbeke	Confirmation No. 4749
		Filing Date: 06/25/2001	Group Art Unit 1746



U.S. PATENT DOCUMENTS						
Exam. Initial*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number Code ²	Kind (If known)			
My	A	5,979,475		Satoh, Takao, et al.	11-09-1999	
My	B	6,021,789		Akatsu, Hiroyuki, et al.	02-08-2000	

FOREIGN PATENT DOCUMENTS								
Exam. Initial*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD- YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ⁵ (If known)				
Self / See	C	EP	0 858 099	A2	Okumura, Katsuya	08-12-1998	JUL 11 2002 RECEIVED 1706	
	D	WO	98 01896	A	Miki, Masahiro, et al.	01-15-1998		
	E	JP	H3-258381		Ikeda, Toshiharu	11-18-1991		
	F	JP	H4-213826		Naganami, Junichi	08-04-1992		



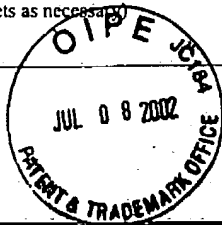
Examiner Signature	<i>Alma Smith</i>	Date Considered	6/27/04
--------------------	-------------------	-----------------	---------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard S.3). ⁴For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Substitute for Form 1449A/PTO (Modified) (use as many sheets as necessary)	Attorney Docket No.: 004711/P1/TCG/TPC/ other/ LE	Application Number: 09/891,849
	First Named Inventor: Steven Verhaverbeke	
Filing Date: 06/25/2001		



Page 2 of 2

OTHER ART - NO PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume- issue number(s), publisher, city and/or country where published	Translation ²
AM	G	International Search Report - PCT/US 01/20466 - 9 pages	

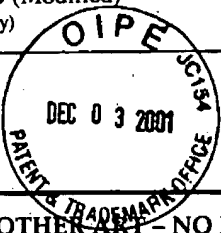
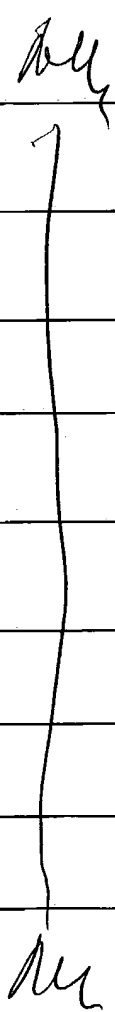
RECEIVED
JUL 11 2002
TC 1700


Examiner Signature		Date Considered	4/28/04
-----------------------	--	--------------------	---------

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

¹Unique citation designation number. ²Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Substitute for Form 1449A/PTO (Modified) (use as many sheets as necessary)		Attorney Docket No.: 004711/TCG/TPG/other/LE	Application Number: 09/891,849
		First Named Inventor: Steven Verhaverbeke	
		Filing Date: June 25, 2001	
OTHER ART - NO PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	Translation ²
	D	"Powerful Solutions for Critical Cleaning". ProSys, Product Systems, Inc., 1p., 1998 http://www.prosysmeg.com/body_index.html	
	E	"Ultrasonic Cleaning - Fundamental Theory and Application", PMR Systems, 2 pp. 6/5/00 http://www.pmrsystems.com/page10.html	
	F	"Advanced Megasonic Cleaning". Vennerbeck, R., 9 pp., 6/5/00 http://www.pmrsystems.com/presentations/DVFPS98-Final/sld001.htm	
	G	"Polymer Piezoelectric Transducers For Ultrasonic NDE". Bar-Cohen, et al., 8 pp., 9/96, http://www.ndt.net/article/yosi/yosi.htm	
	H	"Piezoelectric Transducers", 1 p., 2/20/98 http://www.bae.ncsu.edu/bae/research/bla...k/electrodes/projects/sensors/piezo.html	
	I	"Comment on Particle Removal Mechanisms Via Megasonic Energy", Wu, et al., Vertec, Inc., 6/5/00; 3 pp., http://www.vertec.com/company/papers/VRTQ_MegMech1.htm	
	J	"Typical Uses/Definition of Material Properties". Channel Industries, 6/5/00; 2 pp. http://www.sonatech.com/page04.htm	
	K	"Piezoelectric Ceramic", Channel Industries-, 6/5/00, 3 pp. http://sonatech.com/page03.htm	
	L	"What is the 'venturi affect?', Van Dien, Nature.Net; 12/13/99, 6 pp. http://www.nature.net/forums/load/weather/msg12161915959.html	
	M	"What is the Boundary Layer as it Relates to Megasonic Cleaning?", ProSys, 6/5/00, 3.pp. http://www.prosysmeg.com/html/body_boundary-layer.html	

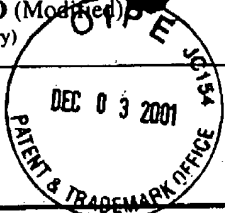
Examiner Signature		Date Considered	4/28/04
--------------------	-------------------------------------------------------------------------------------	-----------------	---------

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

¹Unique citation designation number. ²Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

RECEIVED
 DEC 05 2001
 T 1700

Substitute for Form 1449A/PTO (Modified) (use as many sheets as necessary)		Attorney Docket No.: 004711/TCG/TPG/other/LE	Application Number: 09/891,849
		First Named Inventor: Steven Verhaverbeke	
		Filing Date: June 25, 2001	
OTHER ART - NO PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	Translation ²
peg	N	"Megasonic Cleaning System, Model 2000 SS", 6/5/00, 2 pp. http://www.seamboatsemi.com/equipment/megasonic.html	
	O	"Megasonic Cleaning-What is megasonic cleaning?", 6/5/00, 3 pp. http://www.prosysmeg.com/html/body_megasonics.html	
	P	"The Semiconductor Manufacturing Process: Wafer Lapping & Polishing". Fullman-Kinetics; 6/18/00, 2 pp.	
	Q	"19 th Annual Semiconductor Pure Water and Chemicals Conference", 2000 Proceedings 3/13-16/2000, Santa Clara Convention Center, Santa Clara, CA - pages 318-328, 13 pp. <i>Ohmi, et al.</i>	

RECEIVED
 DEC 05 2001
 TC 1700

Examiner Signature	<i>[Signature]</i>	Date Considered	4/28/04
--------------------	--------------------	-----------------	---------

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

¹Unique citation designation number. ²Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.